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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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EXAMINER

SMITH, TYRONE W

ART UNIT PAPER NUMBER

2837

DATE MAILED: 09/17/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/910,475

Applicant(s)

DOBSON, SIMON BLAIR

Examiner

Tyrone W Smith

Art Unit

2837

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-21 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-21 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 20 July 2001 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on ____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 5 and 7.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). ____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

1. The drawings are objected to because 1) item numbers for Figures 1-3 should be labeled to better understand the claimed invention 2) C1/C2 is described as a load cell while 24/26 is described as the mounts, in Figures 1 and 2 describes no distinguishing difference between the two. Either describe the two as mounts or cells. 3) In Figure 1 where CG is described as the center of gravity, the Examiner request that the Applicant either take out the term from the specification/drawing or expound on why this is important or relevant to describe the center of gravity relationship between the motor and gearbox. A proposed drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

2. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

3. Claims 1 and 19 rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In Claim 1 where it states, "the mounting system including one or more measurement cells for measuring, in use, at least one parameter of the closure systems, in use the closure system being subjected to acceleration and being arranged such that it is possible to at least partially distinguish forces applied to the closure by the actuator from acceleration forces

applied to the closure as a result of the accelerations of the closure systems by consideration of the measured at least one parameter." This is also reiterated in claim 19

1) Applicant should explain/expound on what is at least one parameter of the closure systems. Is the parameter measuring torque, acceleration, and etc. please advise.

2) The statement/claim of the closure system being subjected to acceleration being arranged such that it is possible to at least partially distinguish forces applied to the closure by the actuator from acceleration forces applied to the closure as a result of the accelerations of the closure system by consideration of the measured at least one parameter. The claims are generally narrative and indefinite, failing to conform with current U.S. practice. They appear to be a literal translation into English (US) from a foreign document and are replete with grammatical and idiomatic errors. The Examiner request that the Applicant change/modify the claims to give a more descriptive or understanding of the claims.

3) The term in use have no relevance to claim 1, if the cells is measuring the closure system it would occur when the system is in use, this should be taken out when claim one is modified. Further, in claim 1 there is a description of a closure systems then later a closure system. Examiner requests the Applicant to modify the claim.

Applicant should note that claims dependent on the independent claims are also rejected under 35 U.S.C. 112 second paragraph.

4 Examiner's rejection of claims is with the best intention/knowledge of the invention/claims. Applicant must take note of the prior rejections and make corrections to the application for apt prosecution of case.

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

6. Claims 1-21 rejected under 35 U.S.C. 102(b) as being anticipated by Ohiro et al (JP-09-328964; also refer to Kume et al (6). Ohiro discloses a window opening/closing device, which includes a rotational speed sensor considered to meet the claimed measurement cell(s) (Figure 1 #18) mounted on to the actuator, control section (Figure 1 #30), motor (Figure 1 # 18), a system for manual movement of the window apparatus with a worm gear (Figure 1 items 20, 22, 24, 26 and 28). The motor and the system for manual movement of the window apparatus with a worm gear perform as an actuator. The control section (Figure 7 #70) includes a pulse period calculator (Figure 7 #72) for calculating the period pulses based on the pulses from the rotational speed sensor (Figure 7 #29), the jamming determination unit (Figure 1 #74) determines whether an object is jammed between the window glass and frame. The jamming determination calculates the load (force) based on the signal from the pulse period calculator by way of the speed sensor and judges that an object is jammed when the load exceeds a preset threshold (this is also illustrated in Figures 6, 8, 9 and 10; and refer to column 9 lines 7-59). After detection the jam determination section sends a signal to the drive control means (Figure 7 #80) to control the motor and movement apparatus for stoppage or reversal.

7. Claims 1-21 rejected under 35 U.S.C. 102(b) as being anticipated by Tajima et al (5832664). Tajima discloses a power window device with a safety device, which includes a

motor (Figure(s) 1 and 5 #9), a system for manual movement of the window apparatus with a worm gear (Figure 1 and Figure 5 #1), position sensor (Figure(s) 1 and 5 #8), thrust load sensor (Figure 5 #24) and a motor drive circuit (Figure 5 #32). The motor and the system for manual movement of the window apparatus with a worm gear perform as an actuator. The position sensor and the thrust sensor considered to meet the claimed measurement cells. The position sensor, connected to the actuator, senses the position of the window apparatus (column 3 lines 1-65). The thrust sensor, connected to the actuator, senses the thrust load (force) on the rotary shaft of the motor as a drive source for the window (column 3 lines 66-67 and column 4 lines 1-49; Figure(s) 3b, 3c, 7 and 8). The position sensor and the thrust sensor send signals to the microcomputer (Figure 5 #30) for detecting the safety control region from the open/closed state of the window and another system for detecting the nipping of the window frame. As stated in the above rejection the safety device in combination with the window glass which uses a motor for supplying a force for raising and lowering the window glass; the motor uses a rotary shaft that receives a thrust load (force) when an object is nipped by the window glass.

8. Examiner also refers Applicant to Redelberger (5801501), which teaches an arrangement for moving window panes in a motor vehicle. This is considered to be relevant prior art.

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tyrone W Smith whose telephone number is 703-306-5987. The examiner can normally be reached on weekdays from 8:30am to 5:00pm.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert Nappi, can be reached on (703) 308-3370. The fax phone number for the organization where this application or proceeding is assigned is 703-308-3431.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-1782.

Tyrone Smith

Art Unit 2837


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